BRUHAT BANGLORE MAHANAGARA PALIKE
YALAHANKA ZONE, BANGLORE
ABSTRACT
RA 3RD AND PART BILL

Name of work: Package - 04 includes 7 Works: 1 Improvements to Roads and Drains in BEL Layout, HMT Layout, Rajivgandhi Nagar (NTI), Thindlu and surrounding in ward No. 09. 2 Improvements to Roads and Drains in Thindlu colony, Narasapura layout, Kempegowdnagara and surrounding area in ward No. 09. 3 Improvements to Roads and Drains in Muthuraya Swamy layout, Doddabommasandra, Nanjappa layout, Chamundeshwari Layout in Ward No. 10. 4 Improvements to roads and drains at Amruthahalli main road.Improvements to Roads and Drains in Kuvempu Nagara, Singapura, Ramachandrapura and surrounding areas in ward no-11. 5 Improvements to roads and drains at Amruthahalli main road, Kariyanna layout and surrounding areas in ward no. 07. 6 Improvements to Roads and drains at bhadrappa layout and balaji layout and surrounding area in ward number - 08. 7 Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar and surrounding area in ward no. 08.

Estimated Cost: Rs. 570.00 Lakhs

Job Code/Indent No.: 007-19-000106, 008-19-000034, 008-19-000035, 009-19-000030, 010-19-000011, 011-19-000288

of Account: P3111, P3409

Name of Agency: Sri. B.B. Umesh, Contractor, # 385, Bettaulsur (P), Bangalore North Taluk - 562 157.

Ref: BMP/EE/BTP/WO/110/2019-20 Dated: 17.10.2019.

Date of Recording:

Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Rate	Amount
1	**Removing and resetting footpath slab**								Sqm	
	Present Qty							1634.13		
	Previous Qty							606.60		
	Total Qty							2240.73		
	BOQ Qty							5470.80		
	Qty for payment							1634.13	235.97	385605.66
	Qty as per Premeasurement Recorded vide E-Bill Page No 3 is									
2	**Earth work excavation** by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications								Cum	
	Present Qty							1447.53		
	Previous Qty							3795.80		
	Total Qty							5243.33		
	BOQ Qty							8319.40		
	Qty for payment							1447.53	155.71	225395.43
	Qty as per Premeasurement Recorded vide E-Bill Page No 1 is									
3	Providing laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications								Cum	
	Present Qty							749.06		
	Previous Qty							1859.15		
	Total Qty							2608.21		
	BOQ Qty							4140.06		
	Qty for payment							749.06	2261.50	1694006.26
	Qty as per Premeasurement Recorded vide E-Bill Page No 9 is									1693999.00

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Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Rate	Amount
4	KSRRB 500-4: providing and applying **primer coat** from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specificationsDo- Medium Porosity								**Sqm**	
	Present Qty							2286.60		
	Previous Qty							6655.30		
	Total Qty							8941.90		
	BOQ Qty							18999.55		
	Qty for payment Excel Page 10							2286.60	**40.73**	**93133.01**
	Qty as per Premeasurement Recorded vide E-Bill Page No. 1 is									
5	Providing and laying **bituminous macadam** on Prepared Surface with crushed Coarse aggregates as per Design mix formulae for base/binding course including loading of aggregates with F.E loader,Hot mixing of Stone aggregates and bitumen in Hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve desired density, but excluding cost of primer/Tack coat including lead, lift and cost of all materials, labour HOM of machinaries complete as per Specifications. MORTH Ch 5. using 40/60 TPH capacity HMP with Mechanical paver Gr-II (50mm - 75mm) with 3.4% VG-30 bitumen.								**Cum**	
	Present Qty							114.33		
	Previous Qty							332.77		
	Total Qty							447.09		
	BOQ Qty							949.98		
	Qty for payment							114.33	**6974.79**	**797426.00**
	Qty as per Premeasurement Recorded vide E-Bill Page No. 11 is									
6	Tack Coat:- Providing and applying **tack coat** using 80/100 grade bitumen (VG 10) in boiler fitted with spray set distributor at the rate of 0.20 kg per sqm on the existing prepared bituminous surface cleaned with mechancial broom. complete as per specifications.								**Sqm**	
	Present Qty							7467.07		
	Previous Qty							8809.55		
	Total Qty							16276.62		
	BOQ Qty							49756.15		
	Qty for payment							7467.07	**14.37**	**107301.80**
	Qty as per Premeasurement Recorded vide E-Bill Page No. 13 is									
7	Providing and laying **bituminous concrete** 40mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desire compaction as per MORTH specification clause No. 500.9 complete In all respects as per specifications. MORTH specification 30-45mm compacted thicikness (GradingII) With 6% bitumen 80/100,								**Cum**	
	Present Qty							298.68		
	Previous Qty							352.38		
	Total Qty							651.06		
	BOQ Qty							1990.25		
	Qty for payment							298.68	**10021.99**	**2993396.03**
	Qty as per Premeasurement Recorded vide E-Bill Page No. 15 is									
9	Providing and laying of **hot applied thermoplastic compound** 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.								**Sqm**	
	Present Qty							313.04		
	Previous Qty							330.10		
	Total Qty							643.14		
	BOQ Qty							1706.05		
	Qty for payment							313.04	**513.86**	**160858.73**
	Qty as per Premeasurement Recorded vide E-Bill Page No. 17 is									

Community Hall / School Building

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Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Rate	Amount
28	Earth work excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.								Cum	
	Present Qty							373.79		
	Previous Qty							0.00		
	Total Qty							373.79		
	BOQ Qty							332.78		
	Qty as per Premeasurement Recorded vide E-Bill Page No. 18 is							**332.78**		31559.91
	Qty upto 125%							**91.38**	**345.37**	**31558.00**
	Qty above 125%							**241.41**	**345.37**	**83374.00**
29	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum, with superplastisiser @3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.								Cum	
	Present Qty							119.87		
	Previous Qty							0.00		
	Total Qty							119.87		
	BOQ Qty							120.14		
	Qty as per Premeasurement Recorded vide E-Bill Page No. 20 is						117.22	**119.87**		
	Qty upto 125%							**68.00**	**7335.82**	**498836.00**
	Qty above 125%						49.22	**51.87**	**7335.82**	**380516.00**
										361069.00
30	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.46cum, with superplastisiser @3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for RCC beams, columns, roof of all sizes in foundation plinth and superstructure ground floor level for roof slabs, staircase, lintles, columns, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications								Cum	
	Present Qty							10.32		
	Previous Qty							0.00		
	Total Qty							10.32		
	BOQ Qty							21.10		
	Qty as per Premeasurement Recorded vide E-Bill Page No. 21 is						9.22	**10.32**		42385.84
	Qty upto 125%							**5.64**	**7515.22**	**42367.00**
	Qty above 125%						3.63	**4.68**	**7515.22**	**35154.00**
										27281.24
31	Providing and laying in position Plain Cement Concrete of mix M10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, concrete laid in layers not exceeding 15 cms. thick well compacted, in foundation and plinth, cost of all materials, labour, HOM of machinery, curing complete as per specifications.								Cum	
	Present Qty							20.40		
	Previous Qty							0.00		
	Total Qty							20.40		
	BOQ Qty							19.00		
	Qty as per Premeasurement Recorded vide E-Bill Page No. 22 is							**19.00**		82272.75
	Qty upto 125%							**13.36**	**6158.14**	**82288.00**
	Qty above 125%							**5.64**	**6158.14**	**34717.00**
										34731.90

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WardNo. 08

Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Rate	Amount
32	Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.								Tonne	
	Present Qty							9.68		
	Previous Qty							0.00		
	Total Qty							9.68		
	BOQ Qty							11.75		
	Qty for payment							9.68	68403.42	662353.57
	Qty as per Premeasurement Recorded vide E-Bill Page No. 1 is									
33	Providing and removing Centering & Shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications.								Sqm	
	Present Qty							76.98		
	Previous Qty							0.00		
	Total Qty							76.98		
	BOQ Qty							77.76		
	Qty as per Premeasurement Recorded vide E-Bill Page No. 1 is							76.98		
	Qty upto 125%							50.49	281.91	14233.00
	Qty above 125%							26.49	281.91	7469.00
34	d) Providing and removing Centering & Shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications.								Sqm	
	Present Qty							88.07		
	Previous Qty							0.00		
	Total Qty							88.07		
	BOQ Qty							310.59		
	Qty as per Premeasurement Recorded vide E-Bill Page No. 1 is							88.07		
	Qty upto 125%							288.81	468.63	135346.00
	Qty above 125%							-200.74	468.63	-94074.00
35	Providing and removing Centering & Shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square/rectangular / polygon in plan including cost of all materials, labour complete as per specifications.								Sqm	
	Present Qty							120.30		
	Previous Qty							0.00		
	Total Qty							120.30		
	BOQ Qty							292.53		
	Qty as per Premeasurement Recorded vide E-Bill Page No. 1 is							120.30		
	Qty upto 125%							99.05	446.67	44243.00
	Qty above 125%							21.25	446.67	9492.00
36	Providing and removing Centering & Shuttering, strutting, propping etc., and removal of form work for sides ands soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.								Sqm	
	Present Qty							268.22		
	Previous Qty							0.00		
	Total Qty							268.22		
	BOQ Qty							267.52		
	Qty as per Premeasurement Recorded vide E-Bill Page No. 1 is							267.52		
	Qty upto 125%							220.93	312.42	69021.00
	Qty above 125%							46.60	312.42	14557.00

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Sl No	Description of Item	No	L	B1	B2	Av.B	D	Qty	Rate	Amount
37	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications.								Sqm	
	Present Qty							9.18		
	Previous Qty							0.00		
	Total Qty							9.18		
	BOQ Qty							8.78		
	Qty as per Premeasurement Recorded vide E-Bill Page No. 1 is							8.78		
	Qty upto 125%							6.90	329.51	2274.00
	Qty above 125%							1.88	329.51	619.00
38	Brick Masonry: a) Providing and constructing Burnt Brick masonry with approved quality of non-modular bricks of standard size of class designation 50 (Table moulded) with cement mortar 1:6 masonry for basement and super structure including cost of materials, labour charges, scaffolding, curing complete as per specifications.								Cum	
	Present Qty							62.80		
	Previous Qty							0.00		
	Total Qty							62.80		
	BOQ Qty							65.32		
	Qty as per Premeasurement Recorded vide E-Bill Page No. 1 is							62.80	8158.37	512367.00
39	a) Providing and constructing granite/trap/basalt Size stone masonry in foundation with cement mortar 1:6 stone hammer dressed in courses not less than 20cms high, bond stones at two mtr apart in each course including cost of materials, labour curing complete as per specifications.								Cum	
	Present Qty							87.78		
	Previous Qty							0.00		
	Total Qty							87.78		
	BOQ Qty							98.68		
	Qty as per Premeasurement Recorded vide E-Bill Page No. 1 is							87.78		
	Qty upto 125%							46.64	4926.75	229771.00
	Qty above 125%							41.14	4926.75	202706.00
40	Providing and constructing granite/trap/basalt size stone masonry in super structure with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two mtr apart in each course including cost of materials, labour, curing complete as per specifications.								Cum	
	Present Qty							17.33		
	Previous Qty							0.00		
	Total Qty							17.33		
	BOQ Qty							20.01		
	Qty as per Premeasurement Recorded vide E-Bill Page No. 1 is							17.33		
	Qty upto 125%							15.90	6405.88	101853.00
	Qty above 125%							1.43	6405.88	9168.00
42	b) Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.								Sqm	
	Present Qty							90.27		
	Previous Qty							0.00		
	Total Qty							90.27		
	BOQ Qty							143.96		
	Qty as per Premeasurement Recorded vide E-Bill Page No. 1 is							90.27	226.99	20489.00

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Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Rate	Amount
43	Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.								Sqm	
	Present Qty							178.46		
	Previous Qty							0.00		
	Total Qty							178.46		
	BOQ Qty							520.95		
	Qty as per Premeasurement Recorded vide E-Bill Page No. 1 is							178.46		
	Qty upto 125%							509.65	285.57	145541.00
	Qty above 125%							-331.19	285.57	-94579.00
44	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 to Ceiling including rounding off corners wherever required smooth rendering, Provinding and removing scaffolding, including cost of materials, labour, curing complete as per specifications								Sqm	
	Present Qty							64.43		
	Previous Qty							0.00		
	Total Qty							64.43		
	BOQ Qty							210.71		
	Qty as per Premeasurement Recorded vide E-Bill Page No. 1 is							64.43		
	Qty upto 125%							94.325	217.23	20490
	Qty above 125%							-29.898	217.23	-6495
	EIRL									
E6	Providing & applying water proofing to roof slab, terraces, landscape area, podium etc., using modified polyurethane cures (conforming to ASTM C836-84) to give a tough elastomeric waterproof membrane on the surface. The surface shall be cleaned free from dust and other particle before usage. standards & methodology :								Sqm	
	Present Qty							69.84		
	Previous Qty							0.00		
	Total Qty							69.84		
	BOQ Qty							71.98		
	Qty as per Premeasurement Recorded vide E-Bill Page No. 1 is							69.84	854.28	59659.00
E7	**Filling available excavated earth** (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 ems. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications.								Cum	
	Present Qty							74.76		
	Previous Qty							0.00		
	Total Qty							74.76		
	BOQ Qty							66.56		
	Qty as per Premeasurement Recorded vide E-Bill Page No. 1 is							66.56	92.75	6173.00
									Sub total	9718612.00

9593969.32

Assistant Engineer
Ward No. 08

Transtech Consultants (I) Pvt. Ltd. Bangalore PMC

Assistant Executive Engineer
Byatarayanapura Sub Division

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

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